

Documents For FOIA Request #

EPA-R6-2014-008309

PNM
PO Box 227
MS-96B1
Waterflow, NM 87421
www.pnm.com

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Mary Simmons 6EN-WC
Environmental Specialist
USEPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

1 - Permit/CD
2 - AO & AO mail
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clark's Initials



A personal commitment
to New Mexico

11111
071111

April 12, 2011

Subject: NPDES Permit No. NM0028606
Public Service Company of New Mexico
San Juan Generating Station
Overflow Report - 1/08/11

Dear Ms. Simmons

Received

APR 15 2011

6EN-W

This letter is to provide the chemical analysis of the water from the overflow on 1/08/11 referenced in the January 2011 DMR. Also enclosed is the overflow report to NMED and the January DMR.

Table III

Antimony, Total	ND
Arsenic, Total	0.0065 mg/l
Beryllium, Total	ND
Cadmium, Total	ND
Chromium, Total	0.003
Copper, Total	0.0215 mg/l
Lead, Total	0.0015 mg/l
Mercury, Total	ND
Nickel, Total	0.0082 mg/l
Selenium, Total	0.005 mg/l
Silver, Total	0.00011 mg/l
Thallium, Total	ND
Zinc, Total	0.021 mg/l
Cyanide, Total	ND
Phenols, Total	ND

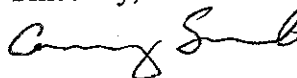
Table IV

Bromide	ND
Chlorine, Total Residual	0.0
Color	20
Fecal Coliform	3 cfu/100ml
Fluoride	1.1 mg/l
Nitrate-Nitrite	2.3 mg/l
Nitrogen Total Organic	---
Oil and Grease	ND
Phosphorus, Total	0.84
Radioactivity	
Alpha	11.6+-2.0 pCi/L
Beta	15.1+-1.6 pCi/L
Sulfate	1380 mg/l
Sulfide	ND
Sulfite	ND
Surfactants	--
Aluminum, Total	2.30 mg/l
Barium, Total	0.119 mg/l
Boron, Total	0.7 mg/l
Cobalt, Total	0.00112 mg/l
Iron, Total	1.84 mg/l
Magnesium, Total	51.8 mg/l
Molybdenum, Total	0.0097 mg/l
Manganese, Total	0.0424 mg/l
Tin, Total	ND
Titanium, Total	ND PH
Hardness	1030
Total Suspended Solids	60
PH	7.64

Attached are copies from the laboratories involved in the testing.

If you need any further information or have any questions please contact me at 505-598-7533

Sincerely,



Gregory Smith
Plant Manager

Cc: John Hall
Groundwater Section, NMED
Harold Runnels Building
1190 St. Francis Drive, Santa Fe, N.M. 87502

DCC MS 0900
SIGS File

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

PNM - SJGS
PO Box 227
Waterflow, NM 87421
Attention: Mike Goen

GAL I.D.: 1101-026-01

Date Received: 01/08/11

Date Reported: 03/17/11

QC Batches:

PROJECT NAME: San Juan Generating Station

PROJECT NUMBER: NPDES

SAMPLE I.D.: CPRB 1&2

Sample Date: 01/08/11

Sample Matrix: Water

Units: mg/L

Total Metals

RESULTS

PARAMETER	METHOD	REPORT		DILUTION	DATE	
		LIMIT	RESULT		ANALYZED	ANALYST
Aluminum	200.7	0.10	2.30	1	03/10/11	je
Antimony	200.8	0.0005	<0.0005	1	03/09/11	nf
Arsenic	200.8	0.0005	0.0065	1	03/09/11	nf
Barium	200.8	0.0005	0.119	1	03/09/11	nf
Beryllium	200.8	0.0005	<0.0005	1	03/09/11	nf
Boron	200.7	0.1	0.7	1	03/10/11	je
Cadmium	200.8	0.00005	<0.00005	1	03/09/11	nf
Calcium	200.7	0.5	320	1	03/10/11	je
Chromium	200.8	0.001	0.003	1	03/09/11	nf
Cobalt	200.8	0.00005	0.00112	1	03/09/11	nf
Copper	200.8	0.0001	0.0215	1	03/09/11	nf
Iron	200.7	0.05	1.84	1	03/10/11	je
Lead	200.8	0.0001	0.0015	1	03/09/11	nf
Magnesium	200.7	0.5	51.8	1	03/10/11	je
Manganese	200.8	0.0005	0.0424	1	03/09/11	nf
Mercury **	245.1	0.0002	<0.0002	1	03/08/11	je
Molybdenum	200.8	0.0005	0.0097	1	03/09/11	nf
Nickel	200.8	0.0005	0.0082	1	03/09/11	nf
Selenium	200.8	0.001	0.005	1	03/09/11	nf
Silver	200.8	0.00005	0.00011	1	03/09/11	nf
Thallium	200.8	0.00005	<0.00005	1	03/09/11	nf
Tin **	200.7	0.5	<0.5	1	03/10/11	je
Titanium	200.7	0.1	<0.1	1	03/10/11	je
Zinc	200.8	0.001	0.021	1	03/09/11	nf
Hardness	Calc.	10	1,010			

** Mercury was analyzed past hold time.

Green Analytical Laboratory
75 Suttle Street
Durango, CO 81303

PNM - SJGS
PO Box 227
Waterflow, NM 87421
Attention: Mike Goen

GAL I.D.: 1101-026-01

Date Received: 01/08/11

Date Reported: 02/14/11

QC Batches:

PROJECT NAME: San Juan Generating Station
PROJECT NUMBER: NPDES
SAMPLE I.D.: CPRB 1&2

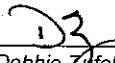
Sample Date: 01/08/11

Sample Matrix: Water

Radio & Wet Chemistry

RESULTS

PARAMETER	METHOD	REPORT		UNITS	DATE ANALYZED	ANALYST
		LIMIT	RESULT			
Bromide	4500Cl	0.10	<0.10	mg/L	01/17/11	ap
Color	SM2120 C		Attached	µs/cm		
Cyanide, total	335.4	0.005	<0.005	mg/L	01/11/11	kj
Fluoride	4500F C	0.2	1.1	mg/L	01/12/11	ap
MBAS	SM5540C		Attached	mg/L		
Nitrate/Nitrite as N	353.2	0.02	2.30	mg/L	01/14/11	kj
Oil & Grease	1664	5.0	<5.0	mg/L	01/14/11	am
pH	150.1	NA	7.64	SU	01/10/11	ap
Phenols	420.4	0.005	<0.005	mg/L	01/18/11	kj
Phosphorus, total	365.3	0.05	0.84	mg/L	01/19/11	kt
Sulfate	4500SO4	10	1380	mg/L	01/11/11	ap
Sulfide	4500S_	0.05	<0.05	mg/L	01/13/11	ap
Sulfite	4500-SO3 2	1.0	<1.0	mg/L	01/10/11	ap
TKN	351.3	1.0	1.62	mg/L	01/19/11	kj
TDS	2540C	10	2180	mg/L	01/11/11	ap
TSS	160.2	2.0	60	mg/L	01/11/11	ap
Gross AB	7110 B		Attached			


Debbie Zifelt, Laboratory Manager



the standard in safety

Underwriters
Laboratories

Laboratory Report

Client: Green Analytical Laboratories

Report: 257170

Attn: Debbie Zufelt
75 Suttle Street
Durango, CO 81303

Priority: Standard Written

Status: Final

PWS ID: Not Supplied

Copies
to: None

Sample Information

UL ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
2390452	1101-026-01 CPRB 1&2	7110 B	01/08/11 11:00	Client	01/13/11 10:30
2390452	1101-026-01 CPRB 1&2	7110 C	01/08/11 11:00	Client	01/13/11 10:30

Report Summary

Project: PNM-SJGS

Note: Sample container was provided by the client.

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Trott at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from Underwriters Laboratories (UL).

Authorized Signature

Title

Date

Client Name: Green Analytical Laboratories

Report #: 257170

Page 1 of 3

Underwriters Laboratories Inc.
110 S. Hill Street, South Bend, IN 46617-2702 USA
T: 800.332.4345 / F: 574.233.8207 / W: ul.com



One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

Fax (208) 783-0891

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

Work Order: W1A0135
Reported: 13-Jan-11 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received
CPRB 1&2	W1A0135-01	Surface Water	08-Jan-11 11:00	MG	11-Jan-2011

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

CH2M HILL
615 S. Carlton Ave.
Farmington, NM 87401
Tel 505.325.6953
Fax 505.564.2680



CH2MHILL

February 14, 2011

PNM – SJGS
P.O. Box 227
Waterflow, NM 87421

Attention: Mr. Mike Goen

Re: Analytical Results

Dear Mr. Goen,

Please find enclosed the results for the samples collected January 8, 2011 from the SJGS Cooling Tower #1, as well as an invoice for this analysis.

If you need more information or have any questions, please call us at 505/325-6953.

Sincerely,

Monica Peterson
Laboratory Director

cc: File

Sampling Point: 1101-026-01 CPRB 1&2

PWS ID: Not Supplied

Radionuclides									
Analyte ID #	Analyte	Method	Reg Limit	DL**	Result	Units	Preparation Date	Analyzed	UL ID #
---	Gross Alpha	7110 C	15 *	1.5	11.6 ± 2.0	pCi/L	02/08/11 07:25	02/08/11 18:46	2390452
---	Gross Beta	7110 B	---	1.5	15.1 ± 1.6	pCi/L	01/20/11 09:30	02/07/11 15:24	2390452

** Detection Limit (DL) shall be that concentration which can be counted with a precision of plus or minus 100% at the 95 % confidence level.

† UL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	Δ	



One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

Fax (208) 783-0891

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

Work Order: **W1A0135**
Reported: 13-Jan-11 14:11

Client Sample ID: **CPRB 1&2**SVL Sample ID: **W1A0135-01 (Surface Water)**

Sample Report Page 1 of 1

Sampled: 08-Jan-11 11:00

Received: 11-Jan-11

Sampled By: MG

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
SM 2120B	Color	20.0	Color Units	5.00	5.00		W103096	TJK	01/11/11 16:10	H3
SM 5540C	MBAS as LAS, mw 334	< 0.025	mg/L	0.025	0.002		W103092	SAM	01/12/11 12:11	H3

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

John Kern
Laboratory Director

PNM
PO Box 227
MS-9681
Waterflow, NM 87421
www.pnm.com



*A personal commitment
to New Mexico*

Certified Mail
Return Receipt Requested

January 10, 2011

Mr. John Hall
Ground Water Section
New Mexico Environment Dept.
P. O. Box 26110
1190 St. Francis Drive
Santa Fe, New Mexico 87502

Subject: Cooling Tower #1 Overflow
January 8, 2010

Dear Mr. Hall

As per my phone message on Saturday January 8, 2011, I am reporting a discharge from San Juan Generating Station.

At approximately 08:00 am January 8, 2011, Cooling Tower # 1 began to overflow into the drainage system that flows into Coal Pile Runoff Basin 1 & 2 (Discharge Permit # 157). The cooling tower makeup valve failed in the open position due to freezing temperatures causing the tower sump to overflow at an estimated rate of 2000 gpm. A portion of the overflow left the plant site. The discharge was stopped at 10:30 am.

The flow path of the discharge was from PNM property to property leased by the San Juan Coal Company and eventually into the Shumway Arroyo diversion channel. PNM's NPDES Permit # NM0028606 is a "zero discharge" permit. Samples were collected and taken to Green Analytical Laboratory for analysis.

I reported the spill as required to the National Response Center, Report # 964096, and to you at NMED via the voice message. Nicholas Brescia, EPA Region 6, called to confirm the discharge and asked if there were any reportable concentrations of hazardous materials in the water and I responded there were not any that I was aware of. He said he would add a note to the file and considered the incident closed.

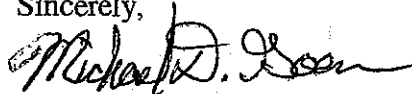
In summary we had a discharge of an estimated 120,000 gallons consisting of processed cooling tower water, snowmelt, and coal pile drainage, diluted with tower makeup water from the San Juan River. Portions of the discharge reached the Shumway Arroyo. The discharge lasted approximately 60 minutes

The makeup valve has been isolated. The breach at the CPRB 1 & 2 was repaired Saturday. The incident is under further investigation.

I will follow up with a final report including the investigation results and the lab analysis.

If you have any questions or need further information please contact me at (505) 598-7533.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael D. Goen". The signature is fluid and cursive, with the first name "Michael" and last name "Goen" clearly distinguishable.

Michael D. (Mike) Goen
Environmental Services Manager
Public Service Company of N.M.
San Juan Generating Station

cc: SJGS file

PNM
PO Box 227
MS-96B1
Waterflow, NM 87421
www.pnm.com

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
February 15, 2011



*A personal commitment
to New Mexico*

Ms. Sonia Hall
EPA Region 6 (6EN-WC)
Water Enforcement Branch
1445 Ross Avenue
Dallas Texas 75202-2733

Subject: NPDES Permit No. NM0028606

Enclosed is the Discharge Monitoring Report for San Juan Generating Station, Permit NO. NM0028606, for January, 2011. Please contact me at (505) 598-7533 if you have any questions.

Sincerely,

Michael D. Goen
Environmental Services Manager

Enclosure

cc:

Program Manager
Surface Water Quality Section
New Mexico Environment Department
1190 St. Francis Drive
Santa Fe, N.M. 87503

DCC MS 0900
SJGS file

SAMPLE DATA

SAMPLE I.D.	DATE AND TIME SAMPLED
SJGS Cooling Tower #1	January 8, 2011 @ 1130

Samples received January 11, 2011 @ 1309

RESULTS

PARAMETER	RESULTS
Fecal Coliform	3 cfu/100ml

QA/QC DATA

PARAMETER	ANALYSIS DATE & TIME	ANALYST	DUPLICATE % DEVIANCE	QC STANDARD RECOVERY
Fecal Coliform	January 8, 2011 @ 1341	ARB	NA	NA

QC Notes:

NA = Not analyzed

Methods of Analysis

Fecal Coliform – Standard Methods, 18th ed., 9222D

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: PUBLIC SERVICE CO-SAN JUAN
ADDRESS: COUNTY RD 6800 3 MILES NORTH
WATERFLOW, NM 87421
FACILITY: SAN JUAN GENERATING STATION
LOCATION: COUNTY RD 6800 3 MILES NORTH
WATERFLOW, NM 87421

NM0028606
PERMIT NUMBER

001A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 87421
MAJOR

Page 1


MONITORING PERIOD								
YEAR			MO			DAY		
FROM	2011	01	01	TO	2011	01	31	

TOTAL FACILITY DISCHARGE
External Outfall

No Discharge ☒

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow, in conduit or thru treatment plant 0050 10 Effluent Gross	SAMPLE MEASUREMENT	0	0		*****	*****	*****			N/A	
	PERMIT REQUIREMENT	0 MO AVG	0 DAILY MX	Mgal/d	*****	*****	*****			Monthly	ESTIMA

Note: An upset condition occurred on January 8, 2011. A cooling tower overflow ran off plant site. The spill was reported to the NRC, Report # 964096. Nicholas Brescia, EPA Region 6 called to confirm the discharge and the spill was also reported to the New Mexico Environmental Department the same day. The final report including the lab analysis will be submitted separately.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	<small>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.</small>	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
TYPED OR PRINTED Gregory Smith/Plant Manager			505-598-7200		2011	02	15
			AREA Code	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) There was no discharge of NPDES pollutants as defined in CFR 122.2. Work continues with NMED (Aug.06DMR) and EPA (March 09 DMR) regarding discharges to groundwater.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

MAY 26 2011

CERTIFIED MAIL - RETURN RECEIPT REQUESTED: 7011 0110 0001 3590 7572

Ms. Pat Vincent-Callawn
President and CEO
PNM Resources-Alvarado Square
Albuquerque, NM 87158-0001

Re: Information Request pursuant to Section 308 of the Clean Water Act
NPDES Permit Number: NM0028606

☒ 1 - Permit/CD
☐ 2 - AO & AO matl
☐ 3 - DMR's
☐ 4 - Vio. Sum. Log
☐ 5 - NCR
☐ 6 - Correspondence
☐ 7 - CRAS
☐ Date Filed
☐ Clerk's Inits.

Dear Ms. Vincent-Callawn:

Enclosed is an Information Request (Request) submitted pursuant to Section 308(a) of the Clean Water Act (Act), 33 U.S.C. § 1318(a), which authorizes the U.S. Environmental Protection Agency (EPA) to request information required to carry out the objectives of the Act. The Request relates to discharges from the San Juan Generating Station since January 1, 2006. Your response to the Request must be post-marked no later than thirty days from your receipt of this letter and include a signed version of the enclosed certification.

Failure to submit the information required by this Request could result in the issuance of an EPA administrative penalty order or referral to the U.S. Department of Justice for judicial action with monetary fines.

EPA urges you to give this matter your immediate attention and timely response. Your response should be mailed to Ms. Sonia Hall (6EN-WC) at the above address.

Any questions regarding this Request should be addressed to Mr. Anthony Loston, of my staff, at (214) 665-3109.

Sincerely,

John Blevins
Director
Compliance Assurance and
Enforcement Division

Enclosure

Re: Public Service Company of New Mexico 2
308 Information Request

cc: Mr. Glenn Saums
Acting Bureau Director
Surface Water Quality Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, NM 87502

Mr. Gregory Smith, Plant Manager
Public Service Company of New Mexico-San Juan Generating Station
County Road 6800
Waterflow, NM 87421

Mr. Michael D. Goen
Environmental Services
Public Service Company of New Mexico-San Juan Generating Station
County Road 6800
Waterflow, NM 87421

INFORMATION REQUEST
PUBLIC SERVICE COMPANY OF NEW MEXICO
SAN JUAN GENERATING STATION

INSTRUCTIONS

1. Provide a separate narrative and/or map as an appropriate response to each request.
2. Precede the response to each request with the number of the request.
3. For each request, identify all persons consulted in the preparation of the answer.
4. For each document produced in response to this request, indicate the number of the request to which the document relates.
5. The requested information must be provided even though you may contend that it includes confidential business or trade secret information. You may assert a confidentiality claim with respect to all or part of the information provided in accordance with 33 U.S.C. § 1318(b) and 40 C.F.R. § 2.302. Unless you make a claim at the time that you submit responses to the requests set forth below, the information you provide may be made available to the public by EPA without further notice to you. If you wish to assert a confidentiality claim with respect to information provided in a response, you must clearly mark the response as "confidential business information," "proprietary information" or "trade secret information" and provide a second, redacted version of the response with the information claimed to be confidential deleted.

INFORMATION REQUEST

Submit the following information pertaining to any water discharge to a drainage pathway or receiving stream from the San Juan Generating Station since January 1, 2006.

1. Identify the dates on which each discharge occurred, or if specific dates are not available, an estimate of the time periods when the discharge occurred.
2. Identify the name and location of the receiving stream or drainage pathway for each of the identified discharge events.
3. Identify the sources of, or the specific operations with which each discharge is associated.
4. Identify the specific pollutants present in each discharge.
5. Identify the quantities of each discharge in gallons.
6. Describe the environmental impact associated with each discharge event.

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Date